

# Hamsplatter

July 1999

Volume 28 Issue 7

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## President's Corner



Field day was a great success this year with over 30 participants from time to time. It was a lot of fun, especially seeing new prospective Hams really get into the contest spirit. Many of the 658 contacts were made with a new or prospective Ham at the mic.

Operation was nearly 24 hours, only being interrupted by a nasty down pour and lightning at about 2:30 am Sunday morning.

Setup and tear down went well with the help of a sufficient number of Hams; some of were members of our club. Of course there were the minor incidents that occur during such an event such as raising the steel 60-foot tower only to find that the dipole was not properly attached. But within a few minutes the tower was back down and raised again with the dipole attached with both rope and wire!

We had visitors galore. There were at least 5 troops of Girl Scout who were given a tour of the event. We had "roaming" Hams from several counties drop in and operate. It was neat to see reunions of several Hams that occurred as a result of the field day excuse to get together.

The field day contest scoring was enhanced by a contact with ROMIR on the MIR space station at 7:50 UTC (that's right, 2:50 am). Wayne Bergamino (KB9OZH) snagged that one!

Of course, the hog roast picnic was a success with some very tasty food being catered by Jamison Meats of Dupont Road. There was plenty to eat and the desserts provided by participants topped off a great meal.

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I want to extend my personal thanks to all who helped to make the field day a resounding success and a lot of fun. It was a great team effort. The location at the Girl Scout camp worked well for station setup as well as public exposure.

Our club supported a Walkathon for the American Diabetes Association that was conducted on Saturday, June 19th, in Ft. Wayne. Support was provided from 7:00 AM to about 1:30 PM. Wayne Bergamino (KB9OZH) coordinated the event that was very successful in providing communications and exposing the public to amateur radio in the service of the community.

Next Regular Meeting will be on Friday, July 16 at 7:30 PM at the Good Shepherd United Methodist Church at the corner of Vance and Reed. The program following the meeting will be a presentation on computer security by Dorin Cindea.

See you there!

73s

Bill Stockslager (N9WS)

**Next Club Meeting - Friday,  
July 16, 1999, 7:30 PM  
Good Shepherd United  
Methodist Church, corner  
of Vance Ave. & Reed Rd.**

**Program:  
Computer Security by  
Dorin Cindea**



## June Meeting Minutes

The June meeting of the Ft. Wayne Radio Club occurred on 18 June, 1999. It was held at the Good Shepherd United Methodist Church and was hosted by President Bill Stockslager. There were about 20 attendees.



There were no minutes from the May meeting as the May get-together was the occasion of the Spring Banquet and everyone was too busy eating and swapping lies to bother about a business meeting.

Al Burke delivered the Treasurer's report in Bob Streeter's absence. He reported on Club finances as follows. Our net cash flow year-to-date (effective 8 June, 1999) is positive in the amount of \$395.74. Total Club assets are \$11,510.90 including the estimated value of Club property. The total includes \$1128.09 in checking and \$5916.47 in the Money Market account.

Carl Rittenhouse reported that Jim Pliett served as the wily fox for the June outing. He hid on a river bank by Concordia but was tracked down first by N9's NRO & LOV and later by KB9OZH & KB9TAF. Carl also noted that the next Foxhunt would commence from Shoaf Park at 6:30 PM on 12 July.

Bill Stockslager reminded everyone to take a minute, look at their license and determine when it must be renewed. Don't let it run out!

**A large and vocal Ham community is one of the things that our legislators listen to.**

Bill also noted that the Club sponsored Code & Theory Class had started out with 10 participants but has dwindled down to two determined students. New Hams are the lifeblood of the hobby, and they are important if we want to retain our privileges as there are many commercial interests working very hard to carve up our privileges. A large and vocal Ham community is one of the things that our legislators listen to. Bill commented that a House Bill intended to help protect Amateur frequency allocations from the hoards of spectrum grabbers needs your support. The proposed Bill is House Bill H.R. 783 and it needs a cosponsor. **Contact Mark Souder by mail, telephone or e-mail and request that he get behind it.** Details of this Bill may be found in the "Washington" column of the April QST.

**Allen County has prepared new draft Building Ordinances that could impact the height, location, etc. of towers in both the city and the county.**

Burke volunteered to chair a committee for that purpose, and both Bill Hall and Carl Rittenhouse likewise volunteered to serve on the committee.

Bill reminded all present that Field Day will occur 26-27 June at the Girl Scout camp at Camp McMillen. It will feature two HF stations and a combined VHF/UHF station. Of course it will also feature the ever popular Hog Roast on Field Day Saturday starting at 4:00 PM. The usual flurry of activity is ongoing to prepare for the weekend including a substantial amount of repair work provided by Carl Rittenhouse on the trailer bodywork and on the generator exhaust manifold. Following the Field Day activities, a new storage location for the trailer needs to be found as the prior storage location will no longer be available. So Bill requested anyone who can provide a storage location, preferably one that would allow the trailer and contents to be kept out of the weather, (for instance in a small barn) to contact him or any other Club Officer.

Bill noted that the FWRC was providing communication support for the American Diabetes Association Walkathon that would occur on Saturday, June 19 starting from Headwaters Park. Wayne Berganmino, KB9OZH is heading up the activity for the club and had recruited about nine club members for this very worthwhile activity. The club will utilize its 440 MHz machine to provide solid handheld coverage over the Walkathon route, at the Rest Stops and at the Start-Finish line base station.

Bill Stockslager conducted the 50/50 Raffle. The pot (\$17.00) was split between the Club and winner Clint Stedje, KB9LOF. (When asked by the Secretary if Clint was planning to use his winnings to provide donuts for Field Day, he said "Well, I might use the money to buy donuts, but they may not necessarily make it (intact) to Field Day".)

Following the formal meeting, Wayne Bergamino provided an excellent briefing on amateur radio activities to be conducted on the International Space Station.

RESPECTFULLY SUBMITTED. AL BURKE, WB9SSE

## ARRL 10 GHz and Up Rule Change

from *The ARRL Letter*

The Awards Committee, acting on a recommendation of the Contest Advisory Committee and with input from a survey of last year's entrants in the ARRL 10 GHz and Up Contest, has announced a change in the operating rules for the annual 10 GHz and Up Contest. Operating times for the contest have been changed to allow participants additional time in the early morning hours. Starting with the 1999 ARRL 10 GHz and Up Contest scheduled for August 21-22 and September 18-19, participants may operate a total of 24 hours each weekend between the starting time of 6 AM local time Saturday morning through 12 midnight local time Sunday evening. Listening time counts as operating time and times off must be clearly indicated in the log. The complete rules for the ARRL 10 GHz and Up Contest will be printed in the June 1999 issue of QST or may be downloaded from the Contest Branch Web Page, <http://www.arrl.org/contests/announcements/99/rules-10ghz.html>



## Phase 3D Preparations In High Gear

from *The ARRL Letter*

Preparations to launch the Phase 3D Amateur Radio satellite are moving full steam ahead, even though a definite launch opportunity remains in limbo. "We are pressing forward to be prepared for a launch in October," says AMSAT Phase 3D Laboratory and Integration Manager Lou McFadin, W5DID.

An announcement at the Dayton Hamvention from Phase 3D Project Director Karl Meinzer, DJ4ZC, raised the possibility of a launch as early as October. At this point, McFadin says, no contract has been signed and negotiations continue. AMSAT has declined to name the launch agency or vehicle, and AMSAT-NA officials have cautioned that the October date is very tentative and just the opening of a launch window.

McFadin says it's a busy time at the P3D Integration Laboratory in Orlando, where a team of experts and the builders of the various Phase 3D transponders—including Meinzer—has arrived from Europe to participate in the P3D rollout. The satellite has been transported outside for an "on air" test in full flight configuration, McFadin said. "The spacecraft is protected from the Florida environment by a big sealed tent."

McFadin says that after "an exciting few days of testing," all RF subsystems aboard the spacecraft were declared in good working order. The Phase 3D team also successfully tested thrusters and fuel tanks.

"The next milestones are the spin balance test and vibration test, before the spacecraft will be transported to the launch site," McFadin said. Vibration testing has had to wait until the team got the final static and dynamic load specifications from the launch agency, he said. Vibration testing will mean a return trip to Goddard Space Flight Center in early July.

"Even if we don't get a launch in October we plan to ship to the launch site in August," McFadin said. "P3D may wait for the first launch opportunity on a hot standby basis—all ready to go on a few weeks' notice."

## W5LFL: Phase 3D, ARISS Will Change Face Of Ham Radio

from *The ARRL Letter*

Past astronaut Owen Garriott, W5LFL—the first ham to use Amateur Radio from outer space—predicts that Phase 3D and the Amateur Radio on the International Space Station projects will change the face of ham radio. "Educational value, technical value, it's all there right in front of us," he says of P3D and ARISS.

Garriott believes that Phase 3D—which could launch as early as this fall—can serve as a conduit for US students, with coordination from local amateurs, to hook up with youths in other countries to practice foreign language and for on-air cultural exchange. Garriott also pointed out that Phase 3D's eccentric orbit will make it visible from large portions of Earth for long periods of time. "P3D is going to open up a whole new opportunity that we did not have in low-Earth orbit like the space station or other low-altitude OSCARs," he said.

Garriott also says that astronauts on the ISS could include a brief daily ARISS transmission from the perspective of space aimed at school-agers "to stir up even more interest in our young people" about Amateur Radio. He discussed his ideas during forums at the Dayton Hamvention as well as in an interview with the ARRL.

In 1983, Garriott pioneered the SAREX program by working dozens of earthbound hams on 2 meters using an H-T and an antenna mounted on the inside of the shuttle's window. "It's grown much further than any of us would have forecast back in 1983" when there were two astronaut-hams, Tony England, WOORE, and himself.

Today, Garriott points out, there are more than 80 astro-hams, and Garriott is looking forward to Amateur Radio's playing a major role aboard the ISS. "The impact on the space program has been substantial," he said. Not only has Amateur Radio in space been good public relations for the hobby, but "it's very good for crew morale," Garriott said. This will be important for ISS crews in particular, since they'll spend longer periods in space.

Licensed for more than 50 years, Garriott says ham radio has been a very strong influence in his life and professional career from the very beginning. He also says he's encouraged by the number of young people joining the hobby, especially since the advent of the Technician license. "People may feel that it's not adequate progress or bemoan the fact that we are not further ahead than we are," he said. "But I think we really need to be quite pleased with how far we've come and the substantial interest we have, and make use of the potential that we have in front of us coming along with Phase 3D and the International Space Station to stir up even more interest in our young people."

**"P3D is going to open up a whole new opportunity that we did not have in low-Earth orbit like the space station or other low-altitude OSCARs."**



## Spectrum Protection Bill Adds Cosponsors

from *The ARRL Letter*

There are now 76 cosponsors for The Amateur Radio Spectrum Protection Act, HR 783. The measure would require the FCC to provide "equivalent replacement spectrum" should the agency reallocate any Amateur Radio or Amateur Satellite service allocations to another service.

"Our regular visits to Congressional offices on Capitol Hill indicate that, while most members of Congress understand and appreciate the benefits of Amateur Radio, some are reluctant to sign onto such a technical piece of legislation

without some indication of support from their own constituents," says ARRL Legislative and Public Affairs Manager Steve Mansfield, N1MZA.

**Hams wishing to help the effort to move HR 783 can do so by writing to their member of Congress**

HR 783 still must make it out of the House Telecommunications Subcommittee and its parent House Commerce Committee before it goes to the House floor. There's a lot of pending legislation already in the pipeline, however, so that could take some time.

Hams wishing to help the effort to move HR 783 can do so by writing to their member of Congress. Visit ARRLWeb, <http://www.arrl.org/govrelations/hr783.html> for a sample letter and addresses.—Steve Mansfield, N1MZA

## No Question Pool Changes — Yet

from *The ARRL Letter*

The Amateur Radio examination question pools remain in a holding pattern pending an announcement from the FCC on license restructuring. No question pools or questions will change anytime soon for any license class.

Last September, the National Conference of Volunteer Examiner Coordinators' Question Pool Committee announced that all question pool updates were being put on hold until after the FCC had acted on Amateur Radio restructuring (officially known as the Part 97 Biennial Review). Until the September NCVEC QPC announcement, the Advanced class question pool had been scheduled to expire at midnight on June 30, 1999.

Current examination questions and study materials remain valid until further notice. The NCVEC recently announced that it was postponing its annual meeting and won't set a new meeting date until the FCC drops the other shoe on Amateur Radio restructuring. NCVEC members were to meet July 9 in Gettysburg, Pennsylvania. The FCC's action is expected to have a substantial impact on the content of amateur examinations.

## Product Review: Radio Shack Super-Accurate Auto-Set Digital Clock

by Vic Guess, WB9UZA

For those of you who always want their clock to be accurate down to the second, this little clock from Radio Shack may be just the ticket. It is powered by two AAA cells, has a large backlit digital display, and it even sets itself from WWV! All you do is position the remote loop antenna for a good signal and select the proper time zone. (Unfortunately the Daylight Savings Time is automatic and non-defeatable so Hoosiers need to change the time zone twice a year so the hour reads properly.)

Six times a day the clock resets itself to WWV if it has a good signal. If it can't get a good signal in the last 96 hours it will indicate a weak signal in the display.

## MFJ Purchases Hy-Gain

from *The ARRL Letter*

MFJ Enterprises has acquired Hy-Gain, a well-known manufacturer of antennas, towers, and rotators. Hy-Gain was owned by Telex Communications of Lincoln, Nebraska. The deal closed May 10, according to MFJ President Martin Jue, K5FLU, who declined to reveal the purchase price. MFJ planned to move the antenna manufacturing facility to Mississippi and staff it with local employees. Jue said he anticipated production at the new site could begin within a few weeks.

"We bought everything—the whole deal," Jue said. "We're going to have to shift some things around to make room."

As it has done with other enterprises it's acquired, MFJ plans to keep the Hy-Gain name and operate the antenna manufacturer as a separate entity. Hy-Gain products will compete with MFJ's own line of antenna products, but Jue said the short-lived Ameritron antenna line would be discontinued in favor of the Hy-Gain line.

Former Cushcraft Production Manager Art Hambleton, K1ART, joined MFJ Enterprises last fall. Jue said Hambleton will be involved in the new Hy-Gain venture, but he was not sure in what capacity. Hambleton manned the Hy-Gain booth at the Dayton Hamvention last month.

Jue said Hy-Gain would immediately start selling the entire product line through the Amateur Radio dealer network. For the past year, Hy-Gain had sold its products factory-direct. MFJ said it expects there to be a "small transition period" as stock, parts, equipment, and production are moved to Starkville. As part of MFJ, Hy-Gain will continue its current product line and introduce several new ones—including two new verticals announced at Dayton.

Jue said customers can contact Hy-Gain at 800-647-1800; fax 601-323-6511; <http://www.mfjenterprises.com>.



## Easy Operation Overseas Now A Reality For Us Hams

from *The ARRL Letter*

Operating in most of Europe and in some South American countries just got much easier for US hams. The FCC has implemented the European Conference of Postal and Telecommunications Administrations (CEPT) Recommendation T/R 61-01 that eliminates the need to obtain a special license or permit for US hams wishing to operate for brief visits to most European countries. In addition, the ARRL has begun issuing International Amateur Radio Permits to simplify operation by US hams in certain South American countries.

The FCC put the final pieces of the CEPT arrangement into place June 7 by issuing a Public Notice in English, German, and French that spells out the basic information about Amateur Radio operation in CEPT countries. To operate in a CEPT country, US hams only need a copy of the Notice, their original Amateur Radio document, and proof of US citizenship.

US hams holding any license class but Novice are eligible to operate in CEPT countries. A US citizen with a Technician ticket may be authorized privileges equivalent to a CEPT Class 2 (ie, VHF-only) license, while a US citizen holding a higher class license may be authorized CEPT Class 1 (ie, all amateur and amateur-satellite) privileges.

The authorization is for use of a portable or mobile station only, including stations set up at hotels or a camping site. Authorization is also granted for US hams to operate the stations of permanent licensees in host countries. The use of Amateur Radio aboard an aircraft is not allowed, however. To identify while overseas, US stations will use their assigned call signs preceded by the CEPT call sign prefix for the country or territory visited.

US stations operating in other countries must abide by the provisions of the ITU Radio Regulations as well as CEPT Recommendation T/R 61-01 and the regulations of the host country. This means that US operators planning to operate in other countries must become familiar with that country's regulations and frequency allocations, paying special attention to regional differences.

Participating CEPT countries as of June 7 include Austria, Belgium, Bosnia-Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Monaco, Netherlands, Norway, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Turkey, and the United Kingdom. For updates, visit the ERO Web site, <http://www.ero.dk> and click on "Implementation," then "Decision/Recommendation," then "T/R-61-01".

The ARRL has begun issuing the International Amateur Radio Permit (IARP) that allows US amateurs to operate from Argentina, Brazil, Peru, Uruguay, and Venezuela without hav-

ing to obtain a special license (the US and Canada also are CITEL signatories). The IARP is valid in any country that is a signatory to the CITEL Amateur Convention.

The Class 1 IARP—available to Tech Plus and higher class licensees—requires knowledge of Morse code and carries all operating privileges. The Class 2 IARP—equivalent to the US Technician ticket—does not require knowledge of Morse code and carries all privileges above 30 MHz. An IARP is not a license, but it certifies the existence of a license. There's a \$10 application fee to obtain an IARP from the ARRL.

Complete information on CEPT and IARP operation, including an IARP application form and a copy of the FCC Public Notice on CEPT, is available from the International Operating page on ARRLWeb, <http://www.arrl.org/field/regulations/io/>.

Earlier this year, the FCC simplified operation in the US by hams from other countries. Alien visitors to the US holding an amateur license issued by their home country may operate here without submitting any FCC paperwork—provided there's a reciprocal operating agreement in effect between the two countries.

The new procedures affect operation only in participating CEPT (European) and CITEL (Central and South American) countries. They do not change the procedures for US hams wishing to operate overseas in countries that are not CEPT participants or CITEL Amateur Convention signatories. Information on operation from these countries also is available on the pages of ARRLWeb.

## ARRL 10 GHz and Up Rule Change

from *The ARRL Letter*

The Awards Committee, acting on a recommendation of the Contest Advisory Committee and with input from a survey of last year's entrants in the ARRL 10 GHz and Up Contest, has announced a change in the operating rules for the annual 10 GHz and Up Contest. Operating times for the contest have been changed to allow participants additional time in the early morning hours. Starting with the 1999 ARRL 10 GHz and Up Contest scheduled for August 21-22 and September 18-19, participants may operate a total of 24 hours each weekend between the starting time of 6 AM local time Saturday morning through 12 midnight local time Sunday evening. Listening time counts as operating time and times off must be clearly indicated in the log. The complete rules for the ARRL 10 GHz and Up Contest will be printed in the June 1999 issue of QST or may be downloaded from the Contest Branch Web Page, <http://www.arrl.org/contests/announcements/99/rules-10ghz.html>

**Operating in most of Europe and in some South American countries just got much easier for US hams.**



## Next SAREX Mission To Test DSP Hardware

from *The ARRL Letter*

The next Space Amateur Radio EXperiment mission—set to launch in July—will field test a digital signal processing box NASA is looking at to improve the quality of shuttle communications audio.

Word from NASA is that the next SAREX mission has been scheduled to launch on July 20 at 0436 UTC aboard shuttle Columbia mission STS-93. Originally set for last summer, the mission already has been delayed several times.

The STS-93 Mission Commander is Eileen Collins, KD5EDS. This shuttle mission, which will deploy the \$1.5 billion Chandra X-ray observatory into orbit, marks the first for a female commander. "It's good to have a challenge like that because it just motivates you and makes you want to work harder," Collins told the Associated Press this week. Other hams on board include Mission Specialists Michel Tognini, KD5EJZ, and Catherine Coleman, KC5ZTH.

Students at five schools—in Texas, Rhode Island, Virginia, and Florida—are on the list to talk to the STS-93 crew via Amateur Radio. And that's where the DSP experiment comes into play. NASA's SAREX Principal Investigator Matt Bordelon, KC5BTL, says the agency's contractors have been exploring ways to make improvements to the aging shuttle fleet. Among the possibilities was improving the intelligibility of shuttle communications audio by using DSP.

### ... improving the intelligibility of shuttle communications audio by using DSP

But Bordelon says making and testing these kinds of changes on the astronauts' communication system gets expensive and involved, so it was decided to first try out a DSP box by Quintronic on the less-critical SAREX payload aboard STS-93 to see how it performed under actual spaceflight conditions.

"They wanted an easy way to determine if this would clean up the audio," Bordelon explained. The SAREX Amateur Radio gear uses standard interfaces, so it was an easy match from a hardware standpoint. Bordelon says he thinks SAREX will provide a good test of the DSP hardware/software package.

"It's a box with a headset connection on one end and the connectors to the equipment on the other," he explained. "It's got a couple of switches on it, and it's battery-powered," so it doesn't need to take power from the shuttle itself.

Bordelon says the two-channel DSP box tailors both the transmit and receive audio, but it is not adjustable. The only thing the operator can do is turn the box on or off and either enable or disable it.

"For anything in spaceflight, you want to keep it as simple as possible," he said.

The Quintronic DSP box will interface with one of the old reliable Motorola MX-360 H-Ts that NASA has been using for SAREX flights for nearly two decades now—the same type of transceiver that astronaut Owen Garriott, W5LFL, used to make the first Amateur Radio contacts from space in 1983.

NASA has dubbed this particular SAREX hardware configuration as "Configuration CQ." Bordelon explains that SAREX is comprised of several different configurations of hardware, each one designated by a letter of the alphabet. "We typically use Configuration C on most shuttle missions," he said. Add the Quintronic DSP box to the mix, Bordelon says and "you could either say that we merged the two together for a purely coincidental name or, that it embodies the true spirit of Amateur Radio for this mission."

STS-93 will mark the 25th time that the Space Amateur Radio EXperiment has flown. It's also the only SAREX flight scheduled for 1999 and the last one scheduled to take place from the shuttle fleet. Bordelon says future shuttle missions will be "way too busy" to accommodate SAREX. The Amateur Radio on the International Space Station program is working toward establishing a permanent Amateur Radio presence in space aboard the ISS. An interim Amateur Radio station should be operational from the ISS by early next year.

The SAREX program is a cooperative venture of NASA, AMSAT, and the ARRL. For more information on SAREX, contact Jean Wolfgang, WB3IOS, e-mail [jw Wolfgang@arrl.org](mailto:jw Wolfgang@arrl.org).

## FCC Sets New Vanity Fee

from *The ARRL Letter*

The fee to apply for an Amateur Radio vanity call sign will increase from \$13 to \$14 starting September 10, 1999.

The FCC has released its FY 1999 fee schedule which rounded down the proposed \$1.42 per year fee.

The FCC continues to receive in excess of 1000 vanity applications per month. During May, the FCC got 1165 vanity applications, all but 141 of them filed electronically.



**INARRL BULLETIN 35-99**

by Don Evilsizor, don39@whitleynet.org

SUBJECT: HR-783 Amateur Radio Spectrum Protection Act of 1999 (Introduced in the House)

This bill is currently referenced beginning on page 15 of the July issue of QST magazine, with more details on page 16 as to who co-sponsored this bill. Only one Indiana name is on the list so far.

What action serves to call a particular amateur radio bill to your representatives attention? The ARRL cites the fact that the single biggest factor to most members of Congress is whether or not local constituents have some interest in the issue. Your Indiana Section Bulletin Manager fully agrees with that concept.

How does your representative know what your thoughts and concerns are about amateur radio? It is via letters, e-mail and telephone.

How many of you have taken a little bit of your time to contact your representative? I am afraid that apathy or lack of concern on our part may tell officials that we hams do not really care what happens...until it is all over! That is usually when I hear the griping, moaning, groaning; after a bill is passed not in our favor.

So take some time from your grass roots position and contact your elected officials and request support for the applicable areas and especially for this bill. Contrary to some thoughts your voices are heard and numbers do count, don't just stand by and think about letting the other ham to take action.

Amateur Radio Spectrum Protection Act of 1999 (Introduced in the House)

HR 783 106th CONGRESS 1st Session H. R. 783 To ensure the availability of spectrum to amateur radio operators.

IN THE HOUSE OF REPRESENTATIVES February 23, 1999 Mr. BILIRAKIS (for himself and Mr. PALLONE) introduced the following bill; which was referred to the Committee on Commerce

A BILL To ensure the availability of spectrum to amateur radio operators.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress as-

sembled,

#### SECTION 1. SHORT TITLE.

This Act may be cited as the 'Amateur Radio Spectrum Protection Act of 1999'.

SEC. 2. FINDINGS. The Congress finds the following:

(1) More than 650,000 radio amateurs in the United States are licensed by the Federal Communications Commission.

(2) Among the basic purposes of the Amateur Radio and Amateur Satellite Services are to provide voluntary, non-commercial radio service, particularly emergency communications.

(3) Emergency communications services by volunteer amateur radio operators have consistently and reliably been provided before, during, and after floods, hurricanes, tornadoes, forest fires, earthquakes, blizzards, train accidents, chemical spills, and other disasters.

(4) The Federal Communications Commission has taken actions which have resulted in the loss of at least 107 MHz of spectrum to radio amateurs.

SEC. 3. FEDERAL POLICY REGARDING REALLOCATION OF AMATEUR RADIO SPECTRUM. Section 303 of the Communications Act of 1934 is amended by

adding at the end the following new subsection:

Notwithstanding subsection (c), after July 1, 1999—(1) make no reallocation of primary allocations of bands of frequencies of the amateur radio and amateur satellite services; (2) not diminish the secondary allocations of bands of frequencies to the amateur radio or amateur satellite service; and (3) make no additional allocations within such bands of frequencies that would substantially reduce the utility thereof to the amateur radio or amateur satellite service;

unless the Commission, at the same time, provides equivalent replacement spectrum to amateur radio and amateur satellite service.'.

Just in case you were wondering, yes, I have sent my email to my Congressman requesting support for this bill.

**How many of you  
have taken a little  
bit of your time to  
contact your  
representative?**





## For Sale

- Kenwood Base Station for sale. Mint condition with no glitches, defects or scratches and has been used in a non-smoking environment. Will sell as a package or separately:

Kenwood TS 950S Digital Transceiver – \$1750.00  
 Kenwood TL Linear Amplifier – \$ 900.00  
 Kenwood SM 220 Station Monitor – \$ 250.00  
 Kenwood MC 80 Microphone – \$ 100.00  
 Kenwood SP 940 Speaker – \$ 100.00

Equipment has been used less than 100 hours. Have all manuals and original boxes. Is available for inspection upon reasonable notice.

- Hi-Gain 3 element beam and a Texas Towers crank-up tower. Buyer will have to one or both on the ground.

Please contact John (Jack) Edris, WA9IRH if interested.  
 1870 S. Timber Ridge Rd.  
 Bluffton, In  
 (219) 824-3053  
 e-mail "edres@parlorcity.com"

**NOTE:** For Sale & Wanted items will be listed for 2 months only unless the ad is resubmitted. If you sell an item the first month, please contact the editor so the item can be removed. Thank you.

## FCC Says Hams Next In Line For ULS

from *The ARRL Letter*

The FCC says the Amateur Service is the next in line to be converted to the Universal Licensing System. Amateur Radio is scheduled for ULS "deployment" in August. Most of the remaining wireless services will be converted from their old licensing systems to ULS in phases during the remainder of 1999.

The FCC has adopted a Report and Order to enable public access to application and licensing information in the ULS via the Internet. The FCC says its decision will "significantly enhance the ability of the public to access public record information regarding wireless licensees, at a reduced cost."

The Universal Licensing System will replace the venerable Form 610 series with a new, inclusive electronic document known as Form 605. It also will incorporate the vanity call sign program. The ULS will permit amateurs to file applications, modifications or renewals via the Internet. Individual hams will not be required to file electronically, however. So far, nearly 6000 amateurs have registered with the ULS.

- Yaesu 767GX Transceiver-HF - with 6 meter, 2 meter and 70 cm modules installed. Covers entire HF bands including the warc bands plus all of the VHF/UHF bands noted above. Has build in automatic antenna tuner, pre-amp, and filters and has an internal power supply. This rig has every option installed, and comes with original hand mike, original box and owners manual. It works great and looks great. asking \$1300.00

Contact Willie Bolin, K9WJ, at 219-724-4721 (Decatur) or by e-mail at bolin@decaturmet.com

- Kenwood TM-411 70 cm mobile radio. 5 memory channels, 5 and 25 watt output, and has tilt front allowing you to horizontal mount it under dash, and tilt the front to be more readable to the driver. Includes mobile mounting bracket, microphone and manual. Needs external speaker. Asking \$150

- Sony Car CD Player. Sony model EXCD-31 car in-dash AM/FM/CD player. Excellent condition (selling it because it doesn't fit in my new car). Presently wired for FORD wiring harness, but conversion kits are available for many others. Was \$230 on sale in 1997, selling for \$125.

- Cooling fan for Pentium chip. Plugs into internal power connector, and clips directly to top of Pentium chip. pulling air over it all the time the computer is on. \$5.00

Contact Don Gagnon, WB8HQS at 484-3317 or dagagnon@pipeline.com

## Upcomming Regional Hamfests

July 10 .....	Indianapolis, IN
July 11 .....	Peotone, IL
July 18 .....	Van Wert, OH
July 24 .....	Cincinnati, OH
July 25 .....	Franksville, WI
July 31 .....	Bowling Green, KY
August 1 .....	Randolph, OH
August 7 .....	Quincy, IL
August 7 .....	Columbus, OH
August 8 .....	Peotone, IL
August 15 .....	Jackson, MI
August 22 .....	Lexington, KY
September 11 .....	Spencer, IN
September 11-12 .....	Louisville, KY
September 12 .....	Findlay, OH
September 18 .....	Rolling Meadows, IL
September 18-19 .....	Peoria, IL
September 19 .....	Adrian, MI
September 19 .....	Cincinnati, OH
September 25-26 .....	Grayslake, IL
September 26 .....	Cleveland, OH
October 31 .....	Marion, OH
November 7 .....	Massillon, OH
November 7 .....	Kaukauna, WI
November 13-14 .....	Fort Wayne, IN



Membership Data: (Give this form to the treasurer at any FWRC meeting or mail to the address below)

Name \_\_\_\_\_ Call \_\_\_\_\_ Class: ☐ N ☐ T ☐ G ☐ A ☐ AE

Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_ Zip \_\_\_\_\_

Home Phone: \_\_\_\_\_

Work Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

**MEMBERSHIP HANDBOOK** -- Provided at no cost to club members, this handbook provides a full set of information about present and past club activities, events, and functions. The handbook is available in a clear cover binder, and is upgradeable by easy insertion of new pages into the binder.

The FWRC is moving toward electronic information distribution. Are you interested in receiving information from the club by E-MAIL? ☐ Y ☐ N

Shall we list your address and phone number in the membership roster ☐ Y ☐ N?

Are you presently an ARRL member ☐ Y ☐ N?

Membership Term: ☐ (Jan - Dec) ☐ (Jul - Dec)

Family Membership: ☐ \$21.00/yr ☐ \$10.50/yr immediate family (list all callsigns)

Regular Membership: ☐ \$15.00/yr ☐ \$7.50/yr licensed member

Student Membership: ☐ \$6.00/yr ☐ \$3.00/yr full time student

Associate Membership: ☐ \$15.00/yr ☐ \$7.50/yr unlicensed member

Your Check Number \_\_\_\_\_ please pay by check. It's easier for both of us.

**Mail to:** The Fort Wayne Radio Club  
PO Box 15127  
Fort Wayne, IN 46885

### Fort Wayne Radio Club Repeaters

Voice: 146.76/16

146.94/34

444.875/449.875

ATV: 439.25 In, 910.250 Out

Please send any articles, corrections, for sale notices, etc. to the editor, Victor Guess, WB9UZA, via e-mail WB9UZA at aol.com. Please put "for Hamsplatter" in the Subject line. Text should be plain ASCII, graphics should be JPEG or GIF. For those computer impaired: snail mail to 3311 Sanibel Drive, Fort Wayne, IN, 46815-4755.

**Deadline for the August issue: 8/6/99.**

**Be sure to visit the Fort Wayne Radio Club on the Internet: <http://home1.gte.net/n9iww2/fwrc/>**

### Area Traffic Nets

(please submit any changes or corrections to the editor)

**IMO:** meets nightly at 2330 UTC (6:30 PM) on 146.88

**Auburn:** meets Mon, Wed., Thur., Fri., & Sat. at 2300 UTC (6 PM) on 147.015+

**21 Repeater Group:** meets each Wednesday at 0200 UTC (9 PM) on 147.150

**Fort Wayne 6M net:** meets nightly at 0000 UTC (7 PM) on 50.58 AM

### Miscellaneous Nets

**Huntington ARES:** Sat/Tues at 0100 UTC (8 PM) on 146.685

**Portside:** 3rd Wednesday at 0030 UTC (7:30 PM) on 444.300

**Whitley Co. / ARES:** Wednesdays at 0015 UTC (7:15 PM) on 145.270 - (Note 131.8 PL disabled for all nets)

**Whitley Co. Sunday:** Sundays at 0045 UTC (7:45 PM) on 444.550+. (The 146.460 simplex crossbanding from both nets has been dropped.)

**Sloppy Code Net:** Sundays at 0200 UTC (9 PM) on 40M (7.1405 MHz). This CW net's purpose is to build confidence and help increase code speed. The speed is generally 1-10 WPM. If you want to copy only contact Henry, KA9ZNN at 749-8968 for details.



THE FORT WAYNE RADIO CLUB  
PO BOX 15127  
FORT WAYNE, IN 46885



TO:

